REINZ-Dichtungs-GmbH
059PCT 0153

Amended patent claims

1. Metallic flat gasket having at least one through-opening comprising at least two metallic layers (1, 2, 2', 4, 4') made of spring steel, there being disposed, in a first layer (1), at least one stopper (11) which surrounds the through-opening and a bead (12) which is assigned to the stopper (11) and, in the at least one second layer (4, 4'), a bead (12) and, in the at least one second layer (4, 4'), between the stopper region and the bead (12) in the first layer (1, 2, 2', 4, 4'), at least one cranking (13) being configured adjacent to the bead (20),

characterised in that the constructional height of the at least one cranking (13) corresponds approximately to $1/(2n+2)$ times the height of the stopper, with n the non-integer part of the number which is produced when the number of gasket layers which have a bead is divided by 2.

2. Metallic flat gasket having at least one through-opening comprising at least three metallic layers (1, 2, 2', 4, 4', 5), at least two layers (2, 2', 4, 4') comprising spring steel and there being disposed, in an inner layer (1, 5), at least one stopper (11) which surrounds the through-opening and, in the two layers (4, 4') adjacent to this inner layer (1, 5), respectively one bead (12) which is assigned to the at least one stopper (11) and, in the two layers (4, 4') adjacent to the inner layer (1, 5), between the stopper region and the bead (12), at least one cranking (13) respectively being configured adjacent to the bead (12),

characterised in that the constructional height of the at least one cranking corresponds approximately to 1/(2n+2) times the height of the stopper, n corresponding to the non-integer part of the number which is produced when the number of gasket layers which have a bead is divided by 2.